AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An isolated plant sucrose-inducible promoter sequence, comprising ~~a~~ the DNA nucleotide sequence of ~~a~~ the bp -1 to -1,908 region of the sequence shown in FIG. 1, wherein the base position is being relative to ~~a~~ the transcription initiation site of SEQ ID NO: 1.

2. (currently amended): The isolated plant sucrose-inducible promoter sequence according to claim 1, wherein the said promoter sequence is ~~derived from~~ the ~~an~~ *ibAGP1* gene of sweetpotato ADP-glucose pyrophosphorylase.

3. (currently amended): An isolated 5' untranslated region of a sweetpotato ADP-glucose pyrophosphorlyase gene, comprising ~~a~~ the nucleotide sequence of ~~a~~ the bp +1 to +68 region of the sequence shown in FIG. 1, wherein the base position is being relative to ~~a~~ the transcription initiation site of SEQ ID NO: 1.

4. (currently amended): A sucrose-inducible binary vector for plant transformation, comprising a plant sucrose-inducible promoter sequence, comprising ~~a~~ the DNA nucleotide sequence of ~~a~~ the bp -1 to -1,908 region of the sequence shown in FIG. 1, wherein the base position is being relative to a transcription initiation site of SEQ ID NO: 1; and

a 5' untranslated region of a sweetpotato ADP-glucose pyrophosphorlyase gene, comprising ~~a~~ the nucleotide sequence of ~~a~~ the bp +1 to +68 region of the sequence shown in FIG. 1, wherein the base position is being relative to ~~a~~ the transcription initiation site of SEQ ID NO: 1.

5. (currently amended): A sucrose-inducible transient expression vector for plants, comprising a plant sucrose-inducible promoter sequence, comprising ~~a~~ the DNA nucleotide sequence of ~~a~~ the bp -1 to -1,908 region of the sequence shown in FIG. 1, wherein the base position is being relative to ~~a~~ the transcription initiation site of SEQ ID NO: 1; and

a 5' untranslated region of a sweetpotato ADP-glucose pyrophosphorlyase gene, comprising ~~a~~ the nucleotide sequence of ~~a~~ the bp +1 to +68 region of the sequence shown in FIG. 1, wherein the base position is being relative to ~~a~~ the transcription initiation site of SEQ ID NO: 1.

6. (currently amended): An E. coli carrying the sucrose-inducible binary vector ~~for plant transformation~~ of claim 4.

7. (original): An E. coli carrying the transient expression vector of claim 5.

8. (currently amended): A transgenic plant transformed with a binary vector comprising ~~a~~ the plant sucrose-inducible promoter sequence, comprising ~~a~~ the DNA nucleotide sequence of ~~a~~ the bp -1 to -1,908 region of the sequence shown in FIG. 1, wherein the base position is being relative to ~~a~~ the transcription initiation site of SEQ ID NO: 1; and

a 5' untranslated region of a sweetpotato ADP-glucose pyrophosphorlyase gene, comprising ~~a~~ the nucleotide sequence of ~~a~~ the bp +1 to +68 region of the sequence shown in FIG. 1, wherein the base position is being relative to ~~a~~ the transcription initiation site of SEQ ID NO: 1.

Claims 9 and 10 (canceled)

11. (currently amended): The isolated promoter of claim 1, wherein the promoter is amplified by a primer represented by ~~a~~ the sequence ~~as shown in~~ of SEQ ID NO: 2 or 3.

12. (currently amended): The isolated promoter of claim 1, wherein the promoter is amplified by a primer represented by ~~a~~ the sequence ~~as shown in~~of SEQ ID NO: 4 or 5.

13. (new): An isolated plant sucrose-inducible promoter sequence, consisting of the DNA nucleotide sequence of the bp -1 to -1,908 region of the sequence shown in FIG. 1, wherein the base position is being relative to the transcription initiation site of SEQ ID NO: 1.

14. (new): An isolated 5' untranslated region of a sweetpotato ADP-glucose pyrophosphorlyase gene, consisting of the nucleotide sequence of the bp +1 to +68 region of the sequence shown in FIG. 1, wherein the base position is being relative to the transcription initiation site of SEQ ID NO: 1.

15. (new): A vector comprising a plant sucrose-inducible promoter sequence, said promoter sequence consisting of the DNA nucleotide sequence of the bp -1 to -1,908 region of the sequence shown in FIG. 1, wherein the base position is being relative to a transcription initiation site of SEQ ID NO: 1; and

a 5' untranslated region of a sweetpotato ADP-glucose pyrophosphorlyase gene, consisting of the nucleotide sequence of the bp +1 to +68 region of the sequence shown in FIG. 1, wherein the base position is being relative to the transcription initiation site of SEQ ID NO: 1.